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PEER-REVIEWED PUBLICATIONS

CLINICAL OUTCOMES

Baumhauer JF, Singh D, Glazebrook M, et al. Prospective, Randomized, Multi-centered Clinical Trial Assessing Safety and Efficacy of a Synthetic Cartilage Implant Versus First Metatarsophalangeal Arthrodesis in Advanced Hallux Rigidus. *Foot Ankle Int.* 2016;37(5):457-469. [Link](#)

Baumhauer JF, Singh D, Glazebrook M, et al. Correlation of Hallux Rigidus Grade With Motion, VAS Pain, Intraoperative Cartilage Loss, and Treatment Success for First MTP Joint Arthrodesis and Synthetic Cartilage Implant. *Foot Ankle Int.* 2017 Nov;38(11):1175-1182. [Link](#)

Daniels TR, Younger ASE, Penner MJ, et al. Midterm outcomes of polyvinyl alcohol hydrogel hemiarthroplasty of the first metatarsophalangeal joint in advanced hallux rigidus. *Foot Ankle Int.* 2017;38(3):243-247. [Link](#)

Glazebrook MA, Younger ASE, Daniels TR, et al. Treatment of first metatarsophalangeal joint arthritis using hemiarthroplasty with a synthetic cartilage implant or arthrodesis: A comparison of operative and recovery time. *Foot Ankle Surg.* 2017-May-29. [Link](#)

Glazebrook M, Baumhauer J, Davies MB. Revision of Implant to Great Toe Fusion: Did We “Burn a Bridge” With a Synthetic Implant Hemiarthroplasty? *Foot & Ankle Orthopaedics.* 2017 Sep 11;2(3):2473011417S000044. [Link](#)

Goldberg A, Singh D, Glazebrook M, et al. Association between patient factors and outcome of synthetic cartilage implant hemiarthroplasty vs first metatarsophalangeal joint arthrodesis in advanced hallux rigidus. *Foot Ankle Int.* 2017 Nov;38(11):1199-1206. [Link](#)

IMPLANT MATERIAL

Baker MI, Walsh SP, Schwartz Z, Boyan BD. A review of polyvinyl alcohol and its uses in cartilage and orthopedic applications. *J Biomed Mater Res B Appl Biomater.* 2012 Jul;100(5):1451-7. [Link](#)

Baumhauer JF, Marcolongo M. The Science Behind Wear Testing for Great Toe Implants for Hallux Rigidus. *Foot Ankle Clin.* 2016 Dec; 21(4):891-902. [Link](#)

SURGICAL TECHNIQUE

Chang TJ. The Role of Polyvinyl Alcohol in Cartilage Repair of the Ankle and First Metatarsophalangeal Joint. *Clin Podiatr Med Surg.* 2018 Jan 31;35(1):133-43. [Link](#)

Davies MB, Roberts VI, Chadwick C, Glazebrook MA. Revision of Synthetic Cartilage Implant Hemiarthroplasty of the Great Toe to Metatarsophalangeal Joint Arthrodesis: Technique and Indications. *Techniques in Foot & Ankle Surgery.* 2018 Apr 16. [Link](#)

Younger ASE, Baumhauer JF. Polyvinyl Alcohol Hydrogel Hemiarthroplasty of the Great Toe: Technique and Indications. *Techniques in Foot & Ankle Surgery.* 2013;12(3):164-169. [Link](#)

Younger AS, Baumhauer JF, Glazebrook M. Polyvinyl alcohol hemiarthroplasty for first metatarsophalangeal joint arthritis. *Curr Orthop Pract.* 2013;24(5):493-497. [Link](#)

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B20-0376 Rev. G